

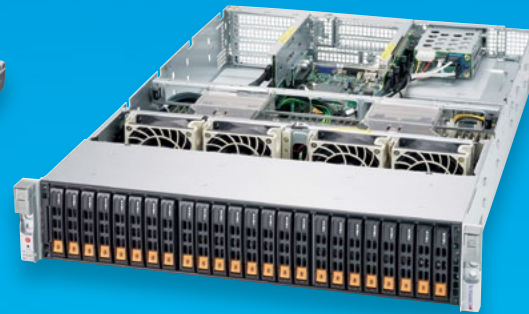


A+ Servers

AMD EPYC™ 7000 Series Supported



1U Ultra Server



2U Ultra Server



DP Tower/4U Server



UP Server

Support up to:

- **64 cores/128 threads** supported per node
- **4TB DDR4** memory in 32 DIMM slots
- **128 PCI-E 3.0** lanes per node
- Hot-swap **NVMe/SAS3/SATA3** drive bays and M.2 slots
- **100G/40G/25G/10G/1G** Ethernet
- Redundant **Titanium Level** digital power supplies
- 4 dual 180W CPU nodes in a 2U system





Coming Soon!

Model	H11DSU-iN	H11DSi H11DSi-NT	H11SSL-i H11SSL-C H11SSL-NC
Processor	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Single AMD EPYC 7000 Series SoC (Socket SP3)
Chipset/System Bus	System on Chip	System on Chip	System on Chip
Form Factor	Proprietary 17" x 16.8"	EATX 12" x 13.05"	ATX 12" x 9.6"
Memory Capacity & Slots	Up to 4TB ECC Registered, DDR4-2666MHz in 32 DIMM slots	Up to 2TB ECC Registered, DDR4-2666MHz in 16 DIMM slots	Up to 1 TB ECC Registered, DDR4-2666MHz in 8 DIMM slots
Expansion Slots	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x32 Left Riser slot • 1 PCI-E 3.0 x16 Right Riser slot • 1 PCI-E 3.0 x40 Far Right Riser slot 	<ul style="list-style-type: none"> • 3 PCI-E 3.0 x8 slots • 2 PCI-E 3.0 x16 slots 	<ul style="list-style-type: none"> • 3 PCI-E 3.0 x16 slots • 3 PCI-E 3.0 x8 slots
Onboard SATA/SAS/RAID/NVMe	14 SATA3, 2 SATA DOM, 4 NVMe	10 SATA3, 2 SATA DOM, 1 M.2, 2 NVMe	16 SATA3 (or 8 SATA3 + 2 NVMe for -N SKU only), 2 SATA DOM, 1 M.2, Broadcom SAS3008 for 8 SAS3 (-C SKU only)
Onboard LAN	Provided via Ultra Riser Card	Dual Gigabit Ethernet LAN Ports (or Dual 10GBase-T LAN Ports)	Dual Gigabit Ethernet LAN Ports
Onboard Video Ports/ Connectors	<ul style="list-style-type: none"> • 1 VGA • 1 Aspeed AST2500 BMC 	<ul style="list-style-type: none"> • 1 VGA • 1 Aspeed AST2500 BMC 	<ul style="list-style-type: none"> • 1 VGA • 1 Aspeed AST2500 BMC
USB Ports	5 USB 3.0 ports (2 rear + 2 via header + 1 Type A)	<ul style="list-style-type: none"> • 2 USB 3.0 ports (rear) • 4 USB 2.0 ports (2 rear + 2 via header) 	<ul style="list-style-type: none"> • 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A) • 4 USB 2.0 ports (2 rear + 2 via header)
Other Onboard I/O Devices	1 COM Port, 2 SATA DOM power connectors, TPM 1.2 Header	1 COM Port, 2 SATA DOM power connectors, TPM 1.2 Header	2 COM Ports, 2 SATA DOM Power Connector, TPM 1.2 Header

Ultra 1U 2.5" Drive Bays

Ultra 1U 3.5" Drive Bays

Ultra 2U 24 NVMe

Ultra 2U 3.5" Drive Bays



Model	AS -1123US-TR4 AS -1123US-TN10RT	AS -1023US-TR4	AS -2123US-TN24R25	AS -2023US-TR4
Processor Support	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Dual AMD EPYC 7000 Series SoC (Socket SP3)
System Memory (Max.)	Up to 4TB ECC Registered, DDR4-2666MHz in 32 DIMM slots	Up to 4TB ECC Registered, DDR4-2666MHz in 32 DIMM slots	Up to 4TB ECC Registered, DDR4-2666MHz in 32 DIMM slots	Up to 4TB ECC Registered, DDR4-2666MHz in 32 DIMM slots
Expansion Slots	<ul style="list-style-type: none"> • 2 PCI-E x16 (FH/HL 9.5") slots • 1 PCI-E x8 (LP) slot 	<ul style="list-style-type: none"> • 2 PCI-E x16 (FH/HL 9.5") slots • 1 PCI-E x8 (LP) slot 	N/A	<ul style="list-style-type: none"> • 2 PCI-E x16 (FH/FL) slots • 4 PCI-E x8 (FH/HL) slots • 1 PCI-E x8 (LP) slot
Connectivity	-TR4: Quad Gigabit LAN ports -TN10RT: Dual 10GBase-T LAN ports	Quad Gigabit LAN ports	Dual 25GbE LAN ports	Quad Gigabit LAN ports
Storage	-TR4: 10x 2.5" hot-swap SATA3 or 8 SATA3 + 2 NVMe drive bays (optional) -TN10RT: 10 hot-swap U.2 NVMe drive bays	4x 3.5" hot-swap SATA3 drive bays (optional 4 NVMe supported)	24 hot-swap U.2 NVMe drive bays	<ul style="list-style-type: none"> • 12x 3.5" hot-swap drive bays • 4 NVMe/SATA3 hybrid ports (optional)
Power Supply	Redundant 1000W Titanium Level	Redundant 1000W Titanium Level	Redundant 1600W Titanium Level	Redundant 1600W Titanium Level



DP Tower/4U Server



**UP
1U 3.5" Drive Bays**



**UP
2U 3.5" Drive Bays**



Model	AS -4023S-TR	AS -1013S-TR	AS -2013S-TR
Processor Support	Dual AMD EPYC 7000 Series SoC (Socket SP3)	Single AMD EPYC 7000 Series SoC (Socket SP3)	Single AMD EPYC 7000 Series SoC (Socket SP3)
System Memory (Max.)	Up to 2TB ECC Registered, DDR4-2666MHz in 16 DIMM slots	Up to 1TB ECC Registered, DDR4-2666MHz in 8 DIMM slots	Up to 1TB ECC Registered, DDR4-2666MHz in 8 DIMM slots
Expansion Slots	<ul style="list-style-type: none"> • 2 PCI-E x16 slots • 3 PCI-E x8 slots 	1 PCI-E x16 slot	<ul style="list-style-type: none"> • 2 PCI-E x16 slots • 4 PCI-E x8 (LP) slots
Connectivity	Dual Gigabit LAN ports	Dual Gigabit LAN ports	Dual Gigabit LAN ports
Storage	<ul style="list-style-type: none"> • 8x 3.5" hot-swap SAS3/SATA3 drive bays • 2x 5.25 peripheral drive bays • 1 M.2 NVMe SSD supported 	<ul style="list-style-type: none"> • 4x 3.5" hot-swap SATA3 drive bays • 1 M.2 NVMe SSD supported 	<ul style="list-style-type: none"> • 8x 3.5" hot-swap SATA3 drive bays • 1 M.2 NVMe SSD supported
Power Supply	Redundant 1280W Platinum Level	Redundant 400W Platinum Level	Redundant 720W Platinum Level

**SIOM
Networking
Options**

NEW!



NEW!



NEW!



NEW!



NEW!



NEW!



Model	AOC-MGP-i2	AOC-MGP-i4	AOC-MTGN-i2S	AOC-MTG-i4S	AOC-MTG-i2T	AOC-MTG-i4T
Description	Dual-port GbE	Quad-port GbE	Dual-port 10GbE	Quad-port 10GbE	Dual-port 10GbE	Quad-port 10GbE
Port	2 RJ45 ports	4 RJ45 ports	2 SFP+ ports	4 SFP+ ports	2 RJ45 ports	4 RJ45 ports
Speed	1Gb/port	1Gb/port	10Gb/port	10Gb/port	10Gb/port	10Gb/port
Controller	Intel® i350	Intel® i350	Intel® 82599ES	Intel® XL710	Intel® X550	Intel® X550
Dimension (LxW) (without end brackets)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)
Compatible Servers	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot

**SIOM
Networking
Options**

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Model	AOC-MH25G-b2S2G	AOC-MH25G-m2S2T	AOC-MHIBF-m2Q2G	AOC-MHIBF-m1Q2G	AOC-MHFI-i1C
Description	Dual-port 25GbE & Dual-port GbE	Dual-port 25GbE & Dual-port 10GbE	Dual-port IB FDR & Dual-port GbE	Single-port IB FDR & Dual-port GbE	Single-port Host Fabric Interface
Port	2 SFP28 & 2 RJ45 ports	2 SFP28 & 2 RJ45 ports	2 QSFP & 2 RJ45 ports	1 QSFP & 2 RJ45 ports	1 QSFP28 port
Speed	25Gb/port 1Gb/port	25Gb/port 10Gb/port	56Gb/port 10Gb/port	56Gb/port 1Gb/port	100Gb/port
Controller	Broadcom® BCM57414 Intel® i350	Mellanox® ConnectX-4 Lx EN Intel® X550	Mellanox® ConnectX-3 Pro Intel® i350	Mellanox® ConnectX-3 Pro Intel® i350	Intel® Omni Path HFI ASIC
Dimension (LxW) (without end brackets)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)	3.622" x 3.428" (9.2 x 8.708cm)
Compatible Servers	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot	Supermicro® Servers with SIOM slot

We Keep IT Green™

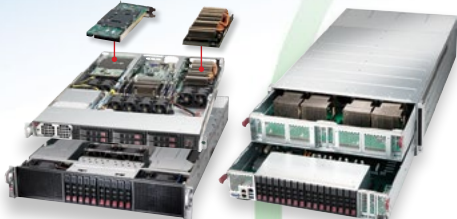
NVMe • SAS 3.0 • 100G/50G/40G/25GbE



BigTwin™



4 DP Nodes in 2U,
24x 2.5" NVMe/SAS3/SATA3 drives



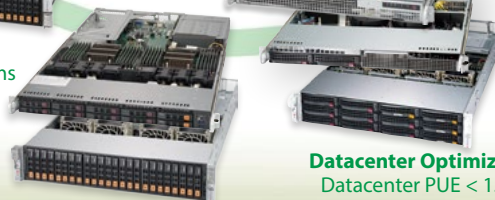
GPU Coprocessor Supercomputing
Multi TeraFLOPS Servers/Workstations/Blades



New! 60/45x 3.5"
Top-Loading Drives in 4U



All Flash Solutions
NVMe 2U/1U Storage Systems



Ultra
Enterprise Class Computing

Datacenter Optimized
Datacenter PUE < 1.1
47°C Ambient Server Solutions

8U SuperBlade®
Up to 20 DP/10 MP
Nodes



3U/6U MicroBlade
0.05/0.1/0.2U MicroBlade Servers in 3U/6U

2U Simply Double
All Flash NVMe or SAS3
2.5" or 3.5" drive bays



FatTwin™
8/4 Nodes in 4U
Front or Rear I/O



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Optimized for IT, Datacenter, Embedded, HPC and Cloud Computing



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